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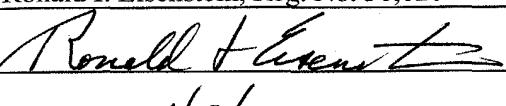
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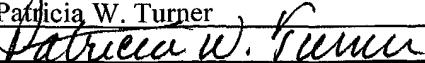
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		Application Number 09/470,276 Filing Date December 22, 1999 First Named Inventor R. Kolodner Group Art Unit 1655 Examiner Name J. Fredman Total Number of Pages in This Submission 1 Attorney Docket Number 700157/47483-C

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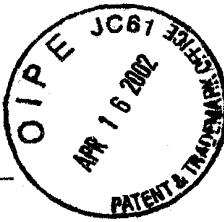
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kolodner et al.

Application No.: 09/470,276

Group No.: 1655

Filed: 12/22/1999

Examiner: Fredman, J.

For: METHOD OF DETECTION OF ALTERATIONS IN MSH5

AMENDMENT

In response to the Office Action dated January 9, 2002, please amend the above-described application as follows:

IN THE CLAIMS:

S2
F1
3. An isolated nucleotide segment of no more than 3000 nucleotides containing a fragment of at least 17 contiguous nucleotides from the coding region as set forth in SEQ ID NO:1.

S2
F2
41. An isolated and purified nucleotide segment, wherein said nucleotide segment is a fragment of at least 17 contiguous nucleotides of SEQ ID NO: 1, and wherein said nucleotide segment is mRNA or cDNA.

F3
44. The isolated nucleotide segment of claim 3, wherein said nucleotide segment consists of said fragments of SEQ ID NO:1.

45. An isolated and purified nucleotide SEQ segment consisting of
(a) at least one exon from SEQ ID NO:1 wherein starting at position 235 and continuing continuously, exon 1 is 221 basepairs, exon 2 is the next 160 basepairs, exon 3 is the next 124 basepairs, exon 4 is the next 81 basepairs, exon 5 is the next 63 basepairs, exon 6 is the next 122 basepairs, exon 7 is the next 110 basepairs, exon 8 is the next 36 basepairs, exon 9 is the next 83 basepairs, exon 10 is the next 46 basepairs, exon 11 is the next 139 basepairs, exon 12 is the next 63 basepairs, exon 13 is the next 129 basepairs, exon 14 is the next 73 basepairs, exon 15 is the next 110 basepairs, exon 16 is the next 81 basepairs, exon 17 is the next 88 basepairs, exon 18 is the next 190 basepairs, exon 19 is the next 127 basepairs, exon 20 is the next 150 basepairs, exon 21 is the next 75 basepairs, exon 22 is the next 144 basepairs, exon 23 is the next 138 basepairs, exon 24 is the next 74 basepairs, and exon 25 is the next 254 basepairs; and